

Early Action Compact Milestone - June 16, 2003
List of Emission Reduction Strategies Under Consideration

Greenwood County, South Carolina

Based on stakeholder consultation and taking into consideration resource and political constraints, the following control measures under consideration can be reasonably implemented. It is anticipated these measures under consideration will assist Greenwood County in maintaining the 8-hour ozone standard by 2007.

Measure Under Consideration	Description of Measure	Estimate of Emission Reductions (if available)	Proposed Date for Implementation
Land Use - Mixed-Use Development			
Goal - "The location of stores, restaurants, offices, schools, recreation and jobs within close proximity of residential"			
Allow Mixed-Use Developments	Revise Development Standards		December 2003
Develop Incentives for Mixed-Use Developments	Revise Development Standards		December 2003
Encourage Home Occupations	Revise Development Standards		December 2003
Encourage Housing in/near Large-Scale Commercial Developments	Revise Development Standards		December 2003
Encourage Incentives for the Inclusion of Pedestrian and Bike Paths	Revise Development Standards		December 2003
Benefits to Reduce Ozone			
-- Lessens Vehicle Trips -- Encourages Alternative Modes of Travel -- Promotes Bicycle and Pedestrian Travel that Could Replace 18 to 25% of Vehicle Trips -- Reduces Energy Consumption by up to 30% if 1 in 10 trips for Shopping or Personal Business was Made on Foot -- Savings of 50% of Auto-Related Energy can be Realized when New Residential Developments include Higher Density Housing			
Land Use - Compact Development and Clustering			
Goal - "To concentrate development, thus reducing the ambient air quality from impervious surfaces and shorter vehicle trips"			
Allow Compact Development and Clustering	Revise Development Standards		December 2003
Provide Tax Incentives/Fee Reductions for Compact and Cluster Projects	Revise Development Standards		December 2003
Benefits to Reduce Ozone			
-- Shortens Vehicle Trips -- Reduce Summer Air Temperatures by Reduced Impervious Surfaces -- Provides Efficient Use of Public Services in a Small Geographic Area -- Reduces Vehicle Miles Traveled by 25 to 30% when Density is Doubled			
Transportation - Street and Parking Design			
Goal - "Provide Energy-Efficient Standards for Road Design and Layout, Construction Techniques and Materials, Traffic Optimization and Parking Design"			
Develop Provisions for Safe and Convenient Pedestrian and Bicycle Travel	Develop Sidewalk and Pedestrian Plan		October 2003
Continue to Upgrade Traffic Signal Optimization Measures	Assist SC DOT		Ongoing
Evaluate Street Design Standards to Promote Energy Efficiency	Revise Development Standards		May 2004
Benefits to Reduce Ozone			
-- Encourages Alternative Modes of Travel -- Optimizes Travel -- Shortens Vehicle Trips by Providing Shorter and More Direct Routes -- Reduces Vehicle Miles Traveled by up to 60% When Traditional Street Networks are Used -- Reduces Vehicle Speeds by Utilizing Appropriate Sizing and Design of Streets -- Reduces Ambient Air Temperatures Through Reduced Impervious Surfaces -- Reduces Traffic Congestion and Fuel Consumption by up to 19%			

Measure Under Consideration	Description of Measure	Estimate of Emission Reductions (if available)	Proposed Date for Implementation
Transportation - Multi-Modalism			
Goal - "Individual Transportation Modes Working Together to Provide Alternatives such as Mass Transit, Rail, Bicycle, or Pedestrian Travel"			
Encourage Alternative Modes of Transportation in New Developments	Revise Development Standards		December 2003
Provide for Pedestrian and Bicycle Paths in New Developments	Revise Development Standards		December 2003
Encourage New Development to Connect Transportation Facilities Together	Revise Development Standards		May 2004
Benefits to Reduce Ozone			
-- Provides Alternatives to Vehicle Trips -- Eliminates up to 3% of all Personal Vehicle Trips and Reduces Fuel Use by More Than 1% if Trips 5 Miles or Less Were Made by Bike or on Foot -- Reduces Total Vehicle Trips From 2 to 5% if 20 to 50% of Trips Less than 1/2 Mile Were Made on Foot or by Bicycle			
Transportation - Travel Alternatives			
Goal - "Reduce Vehicular Traffic and Conserve Energy through the Use of Advanced Technology and Workplace Practices"			
Encourage Telecommuting and Home Occupations	Revise Development Standards		December 2003
Develop Partnerships for the Enhanced Usage of Teleconferencing Facilities	Feasibility Study for Piedmont Tech		October 2003
Benefits to Reduce Ozone			
-- Reduces One Round Vehicle Trip for Each Day a Worker Telecommutes -- Removes Extended Vehicle Trips for Meetings and Training Held at Local Teleconferencing Facilities			
Environmental - Alternative Fuels			
Goal - "Reduce Traditional Gasoline and Diesel Fuel Usage Through Alternative Methods"			
Educate the Public on Availability and Benefits of Alternative Fuels	Public Meetings, Ads, Brochures		Ongoing
Promote the Usage of Alternative Fuels by Local Governments and Agencies	Develop an Alternative Fuel Fleet Program		Ongoing
Incorporate the Use of Alternative Fuels into Local Government Operations	Develop a Fuel Efficiency Program		December 2004
Benefits to Reduce Ozone			
-- Reduces Impacts to the Environment			
Community Facilities - Administration, Policies and Education			
Goal - "To Serve as a Community Example Through Management, Procedures and Training"			
Continue to Enforce Speed Limits	Assist City, County and SCHP		Ongoing
Develop a Comprehensive Energy Conservation Program (CECP)	Develop CECP		May 2004
Expand and Promote Teleconferencing Facilities	Feasibility Study for Piedmont Tech		October 2003
Promote the Use of Alternative Modes of Travel by Employees	Public Meetings, Ads, Brochures		Ongoing
Benefits to Reduce Ozone			
-- Reduces Energy Costs by as Much as 15% Without Affecting the Level of Service -- Reduces Energy Waste and Promotes Conservation through Employee Education -- Reduces Vehicle Trips by Alternative Modes of Travel, Carpooling, Telecommuting, and Teleconferencing			
Community Facilities - Site Location			
Goal - "The Selection of Sites for New Community Facilities Based on Energy Objectives"			
Locate New Facilities Near Transit, Bicycle and Pedestrian Facilities	Develop CECP		May 2004
Locate New Facilities Near Mixed-Use Developments	Develop CECP		May 2004
Work with School Districts and Other Govt Organizations in Site Selection	Develop CECP		May 2004
Benefits to Reduce Ozone			
-- Provides Alternatives to Vehicle Trips -- Reduces Vehicle Traffic When Similar Uses are Located Together and Within Adequate Walking Distance -- Reduces Vehicle Trips When Additional Uses are Clustered Together Within Close Proximity			

Measure Under Consideration	Description of Measure	Estimate of Emission Reductions (if available)	Proposed Date for Implementation
Community Facilities - Fleet Efficiency			
Goal - "To Optimize Fleet Vehicles (Equipment, Systems, Maintenance and Management Procedures) Based on Energy Standards"			
Replace Older Vehicles with More Energy-Efficient Models	Develop an Alternative Fuel Fleet Program		Ongoing
Provide Regular Maintenance for Vehicles	Develop a Fuel Efficiency Program		December 2004
Assign Vehicles Appropriate to the Task	Develop a Fuel Efficiency Program		December 2004
Train Maintenance Staff in Procedures that Will Save Energy	Develop a Fuel Efficiency Program		December 2004
Train Personnel in Fuel Efficient Driving Techniques	Develop a Fuel Efficiency Program		December 2004
Incorporate the Use of Alternative Fuels Within the Fleet System	Develop an Alternative Fuel Fleet Program		Ongoing
Benefits to Reduce Ozone			
-- Increases Fuel Efficiency Through Operation Procedures and Practices -- Improves Fuel Economy From 1 to 5% Through Regular Maintenance -- Increases Energy Savings Over Time Through the Replacement of Older Vehicles and Assigning Vehicles to the Correct Purpose			
Economic Development - Revitalization and Infill			
Goal - "To Reduce Energy Costs through the Use of Existing Properties in Close Proximity to Existing Infrastructure"			
Encourage Economic Development Efforts to Reuse Existing Properties	Develop CECP		May 2004
Develop Database on Vacant, Underutilized Properties	Develop CECP		May 2004
Develop Incentives for the Reuse or Infill of Existing Properties	Develop CECP		May 2004
Benefits to Reduce Ozone			
-- Provides Alternatives to Vehicle Trips -- Reduces Vehicle Traffic When Similar Uses are Located Together and Within Adequate Walking Distance -- Reduces Vehicle Trips When Additional Uses are Clustered Together Within Close Proximity			
Community - Planning Programs			
Goal - "To Identify Programs and Actions that Can Reduce Ozone Production and Minimize the Associated Hazards"			
Develop Seasonal Ozone Awareness Program (SOAP) including: Promotion of Employee Education and Action Development of Educational Materials/Brochures for Disbursement Public Service Announcements Notification of Health Warnings Notification of Open Burning Bans Notification of Small Engine/Lawn Mower Warnings Notification of Engine Idling Warnings Promotion of Ozone Awareness Through Public Presentations	Develop SOAP		May 2004
Develop Ozone Reduction Action Plan (ORAP) including: Appointment of Ozone Action Coordinator Idling Restrictions Lawn Mower/Small Engine Restrictions Postpone Refueling to Evening Hours Transition to Alternative Work Schedules and Flexible Lunch Hours	Develop ORAP		May 2004
Develop an Energy Element to the Comprehensive Plan	Develop Energy Element		December 2003
Benefits to Reduce Ozone			
-- Assists EPA and SCDHEC in Public Notifications and Education -- Reduces Greenwood County's Impacts on the Environment			

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